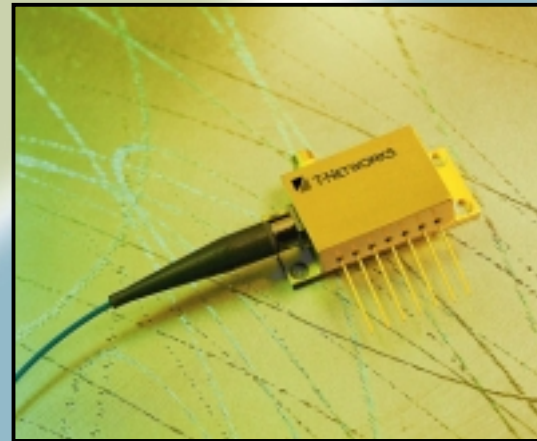


# T-NETWORKS, Inc.

A company focused on next generation optical components  
through cost effective InP integration

STEVE O'BRIEN (Co-founder, Dir. Tech. Bus. Dev.)



- ❑ An Optoelectronics company founded in July 2000 located in Allentown, PA.
- ❑ Investors include Sequoia, USVP, Greylock, Incubic, Intel, Vitesse, etc.
- ❑ Non-VC board members include Lou Tomasetta, David Welch, and Greg Dougherty.
- ❑ 50 employees.

---

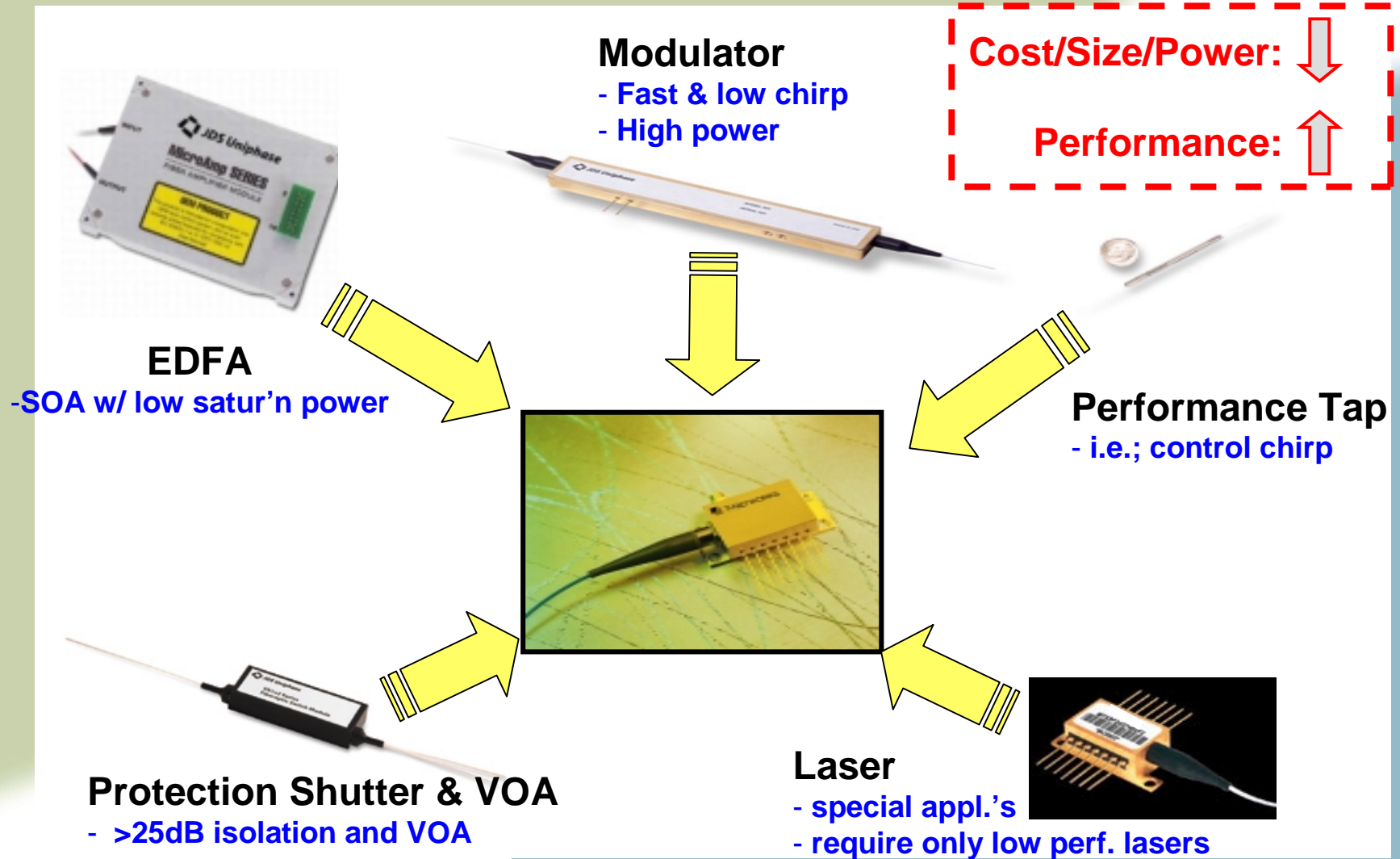
## Outline:

- (A) Why am I here?
- (B) InP Integration at T-Networks
- (C) Core Competencies at T-Networks

## Why am I here?

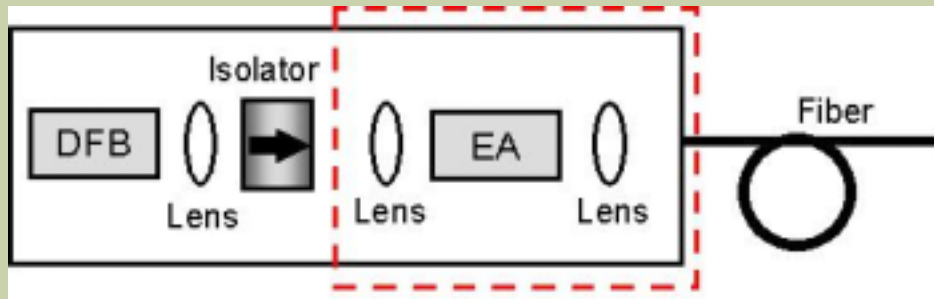
- Update audience on T-Networks' integration platform, including high power modulators, SOAs, VOAs, performance monitors & chip-to-chip coupling
- Learn more about other institutions areas of expertise
- Potentially **team** w/ others, bringing world class InP design, Mfg & optical technologies

# InP Integration is Here Now

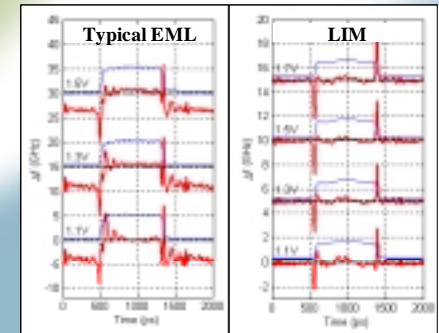


# Architecture choices & InP Integration

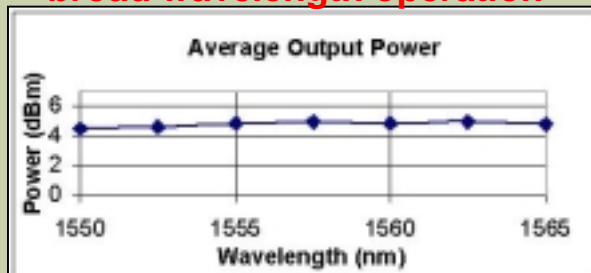
## Chip-to-chip architecture:



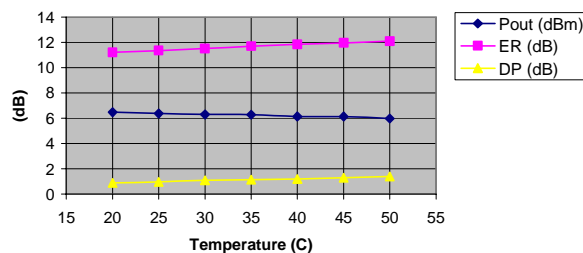
## Low chirp / Long distance



## broad wavelength operation

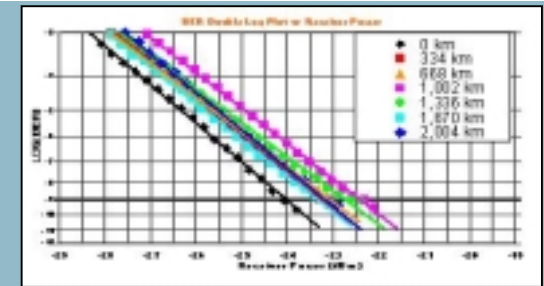
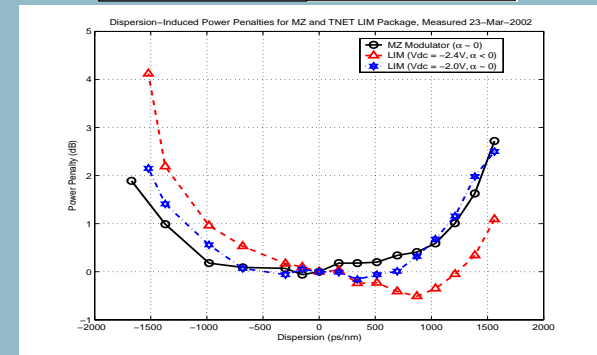


## Equalized Performance of LIM104



## And ...

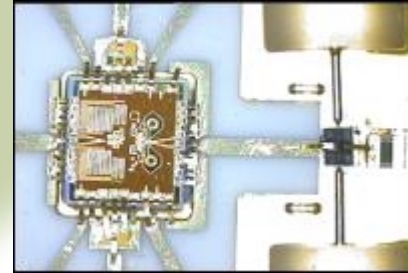
- Low disp. Power
- VOA / shutter
- SOA & higher power
- Low cost



# Key Core Competencies

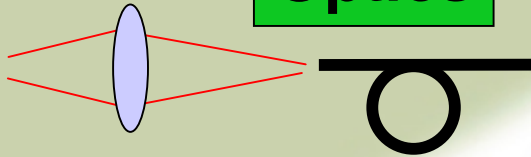


**III-V Photonics**

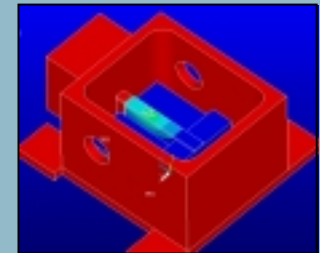


**RF**

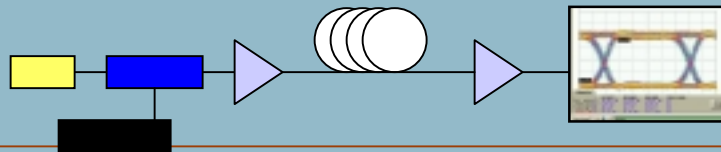
**Optics**



**Packaging**



**Systems Engineering**



---

**Further Integration in InP is the right direction.**

**Thank You for your time !**

**SOBRIEN@TNETWORKSINC.COM**  
**610.289.5040 x1962**